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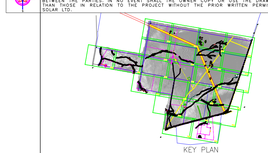


KEY PLAN

LEGEND:–

| SYMBOL | DESCRIPTION |
|---|---|
| | SAT (1x87) STRUCTURE (BLOCK TRACKER) |
| | SAT (1x58) STRUCTURE (BLOCK TRACKER) |
| | INTERNAL AND PERIMETER ROAD (3.5m WIDTH) |
| INV | INVERTER STATION |
| | SITE BOUNDARY |
| | FENCE |
| | 10m FIRE BARRIER (CLEAR SPACE) |
| | CREEK(40m OFFSET FROM CENTER OF CREEK) |
| | 132kV OVERHEAD LINE (45m CLEARANCE BETWEEN END TO END) |
| | CULVERT |
| | CONSTRAINTS (DEVELOPMENT EXCLUSION ZONE) |
| | EXISTING SUBSATION |
| | WEATHER MONITORING STATION (WMS) |
| | SITE ENTRANCE GATE |
| | PROPOSED LANDSCAPING (5m WIDE PLANTING) |
| | PROPOSED LANDSCAPING GROVE |
| | RELOCATED 11kV OH POWER LINE ROUTE |
| | TRACKER HEIGHT 1.22m FROM NGL (SP1) |
| | TRACKER HEIGHT 1.83m FROM NGL (SP1) |
| | TRACKER HEIGHT 1.22m FROM NGL (SP2) |
| MV BOARD | 33kV INTERMEDIATE SWITCHGEAR PANEL |

TECHNOLOGY:–

| | |
|---|---|
| MODULE | CANADIAN SOLAR 395Wp,400Wp & 405Wp BIFACIAL DOUBLE GLASS FRAMED |
| CENTRAL INVERTER | MAKE: INGETEAM MODEL: INGECON SUN 1640TL B630 |
| INVERTER TRAFO. | 6.55MVA, 33kV/630V,3Wdg |
| MV SWITCHBOARD | 33kV GIS SWITCHGEAR PANEL(OUTDOOR) |

SYSTEM CONFIGURATION:–

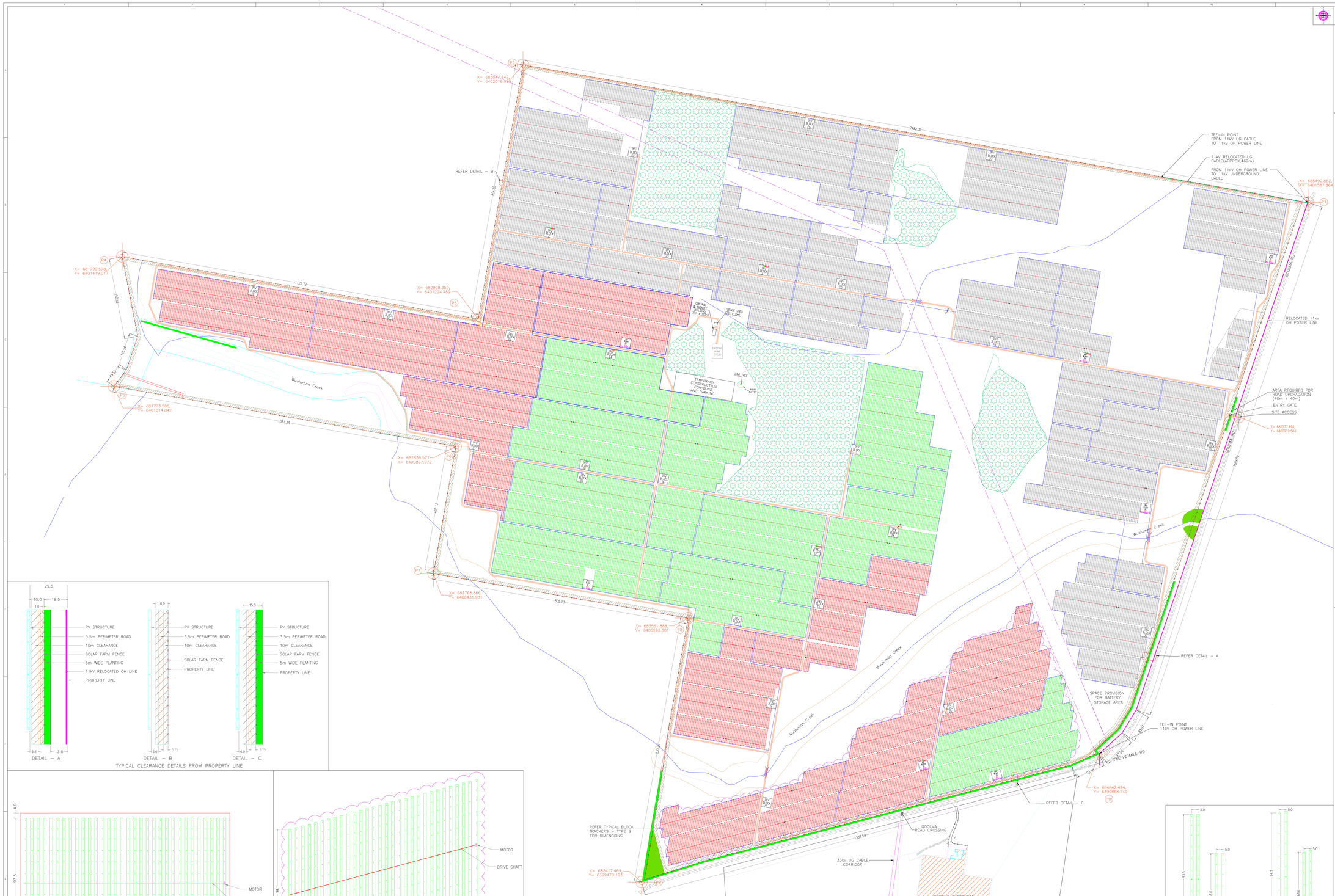
| | |
|---|---|
| GEO POSITION | S – 33.57° E – 148.96° |
| INTER ROW | 2.868m |
| PITCH | 5.0m |
| MODULE ORIENTATION | East – West |
| TILT ANGLE | -52° to +52° |
| AZIMUTH | 10° NORTHEAST |
| TOTAL CAPACITY(AC) @ POI @ 25°C | 170 MW |
| TOTAL INSTALLED CAPACITY(AC) | 216.084 MVA@32°C<br>194.436 MVA@52°C |
| TOTAL CAPACITY(DC) | 200.020 MWp |
| TOTAL MODULES WITH 395Wp | 151902 NOS |
| TOTAL MODULES WITH 400Wp | 250038 NOS |
| TOTAL MODULES WITH 405Wp | 98774 NOS |
| TOTAL NO. OF STRINGS (395Wp) | 5238 NOS |
| TOTAL NO. OF STRINGS (400Wp) | 8622 NOS |
| TOTAL NO. OF STRINGS (405Wp) | 3406 NOS |
| TOTAL NO. OF STRINGS | 17266 NOS |
| TOTAL TRACKER (1X87) | 5068 NOS |
| TOTAL TRACKER (1X58) | 1031 NOS |
| NO. OF MODULES/TRACKER (1X87) | 87 NOS |
| NO. OF MODULES/TRACKER (1X58) | 58 NOS |
| NO. OF MODULES/STRING | 29 NOS |
| NO. OF STRINGS/TRACKER (1X87) | 03 NOS |
| NO. OF STRINGS/TRACKER (1X58) | 02 NOS |
| TRACKER TYPE'S | TYPE 1: 1X87 (P)<br>TYPE 2: 1X58 (P) |
| DC/AC RATIO ON AC POWER @ POI | 1.177 |
| DC/AC RATIO ON INSTALLED AC@52°C | 1.03 |
| NO. OF CENTRAL INV./ BLOCK | 04 NOS |
| TOTAL NO. OF TRAFO./ BLOCK | 01 NO |
| TOTAL NO. OF BLOCKS | 33 NOS |
| TOTAL PV AREA | 715 Acres |
| TOTAL SITE BOUNDARY | 1220 Acres |

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. LAYOUT TO BE CHECKED AS PER SITE CONDITION BEFORE STARTING OF FOUNDATION.
3. TRUE NORTH TO BE CHECKED AT SITE BEFORE STARTING OF WORK.
4. ACTUAL CONTOUR TO BE STUDIED BEFORE STARTING THE FOUNDATION THE CONTOUR.
5. NORTH & EAST CO-ORDINATE TO BE MARKED BY SURVEYOR BEFORE STARTING THE WORK.
6. HEIGHT OF ALL LANDSCAPING SHALL BE LIMITED TO 5 METER FROM GROUND.

REFERENCE DRAWINGS:

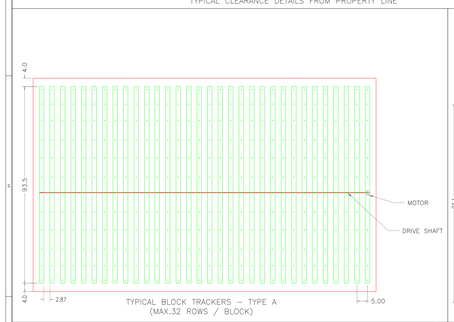
1. SWLB–LSBP–AUS–170MW–E–DWG–MVSLD–201 [SLD–33kV AC SYSTEM]
2. SWLB–LSBP–AUS–170MW–E–DWG–DCSLD–202 [SLD–DC SYSTEM]
3. SWLB–LSBP–AUS–170MW–E–DWG–AXSLD–203 [SLD – AUXILIARY SYSTEM]
4. SWLB–LSBP–AUS–170MW–E–DWG–ACCRL–206 [AC CABLE ROUTING LAYOUT]
5. SWLB–LSBP–AUS–170MW–E–DWG–DCCRL–207 [DC CABLE ROUTING LAYOUT]
6. SWLB–LSBP–AUS–170MW–E–DWG–MCREL–213 [MCR EQUIPMENT LAYOUT]



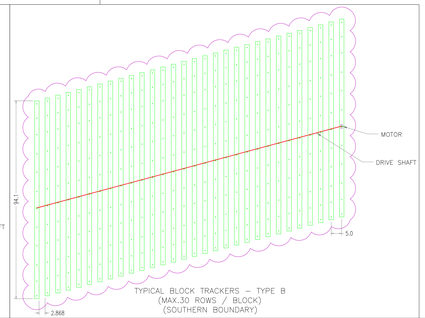




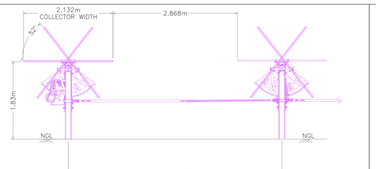
TYPICAL CLEARANCE DETAILS FROM PROPERTY LINE



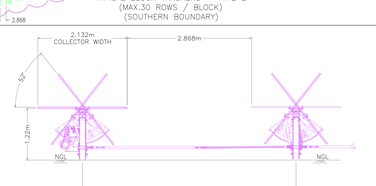

TYPICAL BLOCK TRACKERS – TYPE A (MAX.32 ROWS / BLOCK)



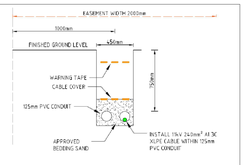

TYPICAL BLOCK TRACKERS – TYPE B (MAX.30 ROWS / BLOCK) (SOUTHERN BOUNDARY)




TYPICAL BLOCK TRACKERS SIDE VIEW (TYPE–A)



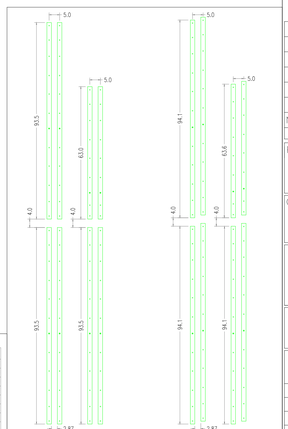

TYPICAL BLOCK TRACKERS SIDE VIEW (TYPE–B)




TYPICAL SECTION OF UNDERGROUND 11kV LINE ON NORTHERN BOUNDARY

BOUNDARY POINT COORDINATES

| POINT | E (m) | E (m) |
|---|---|---|
| P1 | 685492.862 | 6401587.864 |
| P2 | 683047.842 | 6402016.989 |
| P3 | 682908.359 | 6401224.489 |
| P4 | 681799.578 | 6401419.017 |
| P5 | 681773.505 | 6401014.842 |
| P6 | 682838.571 | 6400827.972 |
| P7 | 682768.866 | 6400431.931 |
| P8 | 683561.888 | 6400292.801 |
| P9 | 683417.469 | 6399470.123 |
| 10 | 684842.494 | 6399868.749 |




TYPICAL TRACKERS – TYPE A

TYPICAL TRACKERS – TYPE B

CHECK BOX

| AS–BUILT | FOR APPROVAL | INFORMATION ONLY | FOR CONSTRUCTION |
|---|---|---|---|
| ☐ | ☑ | ☐ | ☐ |

| No. | DATE | REMARKS | DRN | CKED |
|---|---|---|---|---|
| F | 18.11.2019 | FOR APPROVAL(UPDATED SITE ACCESS CO–ORDINATES) | HST | SDD |
| E | 12.11.2019 | FOR APPROVAL(ROW END GAP CHANGED FROM 3M TO 4M) | HST | SDD |
| D | 23.10.2019 | FOR APPROVAL | HST | SDD |
| C | 18.10.2019 | FOR APPROVAL | HST | SDD |
| B | 16.10.2019 | FOR APPROVAL | HST | SDD |
| A | 16.09.2019 | FOR APPROVAL | HST | SDD |

REVISIONS HISTORY

PROJECT TITLE:–
170MWac/200MWp WELLINGTON SOLAR FARM (WSF), NEW SOUTH WALES, AUSTRALIA

CLIENT:–
LIGTHSOURCE AUSTRALIA SPV 4 PTY LTD

EPC CONTRACTOR :–
STERLING & WILSON
STERLING AND WILSON SOLAR LIMITED
(FORMERLY KNOWN AS SUNBORNE ENERGY & COMPANY PVT. LTD.)
A1/14, 6TH MAIN, CHIKKA ADDUGE NEW EXTENSION,
THANISANDRA, MAIN ROAD, BENGALURU-560028
WEBSITE : www.sterlingandwilsonsolar.com

DRAWING TITLE:–
OVERALL ARRAY LAYOUT

DRAWING NO:–
SWLB–LSBP–AUS–170MW–E–DWG–OAARL–204

| | | | |
|---|---|---|---|
| SITE CO–ORDINATES | | 32°31'12"S, 148°57'36"E | |
| SHEET NO. | 01 OF 01 | SCALE | N.T.S |
| DRAWN | HST | PAPER SIZE | A0 |
| CHECKED | SDD | REV NO. | F |
| APPROVED | SKK | DATE | 18.11.2019 |